

# The Tech.

VOLUME 91 NUMBER 42

FRIDAY, OCTOBER 22, 1971

MIT, CAMBRIDGE, MASSACHUSETTS

FIVE CENTS

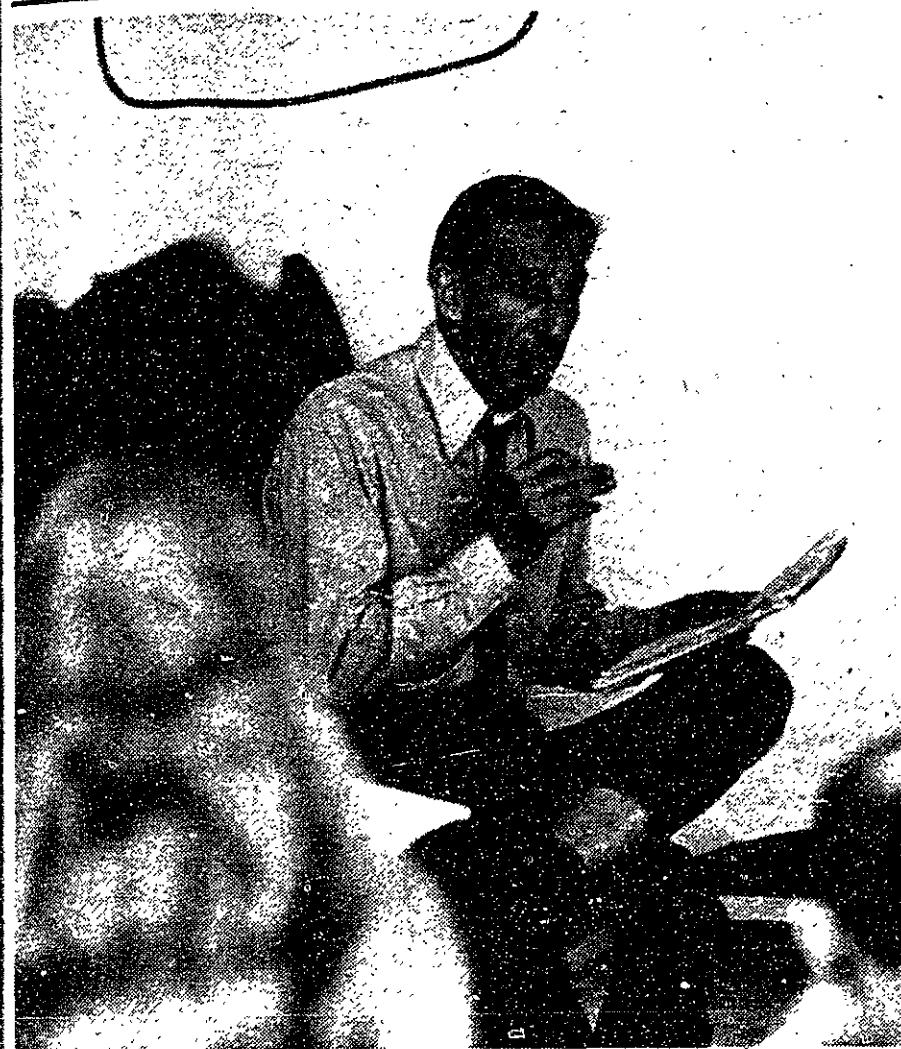


Photo by Sheldon Lowenthal

## Social critic assaults health care programs

By Ken Vaca

Ivan Illich, author of *Deschooling Society*, spoke Monday afternoon on "Social Control and the Characters of Industrial Production." Illich is best known for his criticism of education and the institutionalization of schools.

The topic of his talk centered around the disastrous condition of health care in the United States. Illich began by attacking the Kennedy and Nixon plans for national health insurance, saying that they would only increase suffering. He described this country as "a nation devoted to compulsive consumerism. The American people are deluded by the myth that health can be delivered."

Illich put forth four elements necessary for a proper understanding of health care: 1) Health is a matter of personal responsibility which cannot be delegated away. 2) It is the individual's responsibility to be concerned with the well-being of his family and to be ready to help others in need. 3) There is an overproduction of goods and services in the area of medicine, which makes people overdependent on the structured environment they live in. 4) A therapeutic technology, from vaccines to yoga, exists now which, if made available, could greatly increase the chances for individual health.

The fact that "doctors only can touch tabus" was decried by Illich, who called for Good Samaritan laws requiring any competent non-professional to help a person in need of medical aid. He said there is a need for civil rights in medicine rather than consumer rights. It was his belief that 90% of health care on which doctors make money could be done by ordinary people, if only information on medical technology was immensely increased and made available to the public.

The exclusive professionalism

of doctors and medical personnel came under attack. Illich said, "We must take health out of the hands of the doctors like the reformation took writing out of the hands of scribes... The medical insurance-drug complex promotes a death-denial instinct... Our first step is to make people accept death and realize that medicine cannot avoid mortality rates... Why should one care for the sick and dying if one must pay for putting them away?" He further explained that medical prolongation of deathly sickness increases suffering and takes great resources. He foresaw a growth mania in the area of health; once it is agreed that health production is a good thing, one cannot have enough of it.

Some specific ideas for improvement of health care which Illich tossed out were removal of restrictions on simple operations, from tooth removal to abortion, distribution of drugs with complete information on

(Please turn to page 6)

By Alex Makowski

Though the national economy has forced a change in the personnel policies of many industries, most of them still look to MIT for a supply of engineers.

Judging from talks with recruiters themselves, though, technical expertise is not the overwhelming criterion for a job offer. Even more important is often an applicant's potential for working with people.

Illustrating the point, one recruiter commented that "the really touchy problems are not necessarily the technical problems, but the bother of working with supervisors, managers, or administrators who may or may not be directly involved with the particular design or production process."

Ability to communicate, then, is an important factor when an interviewer meets an MIT degree candidate. Beyond that the recruiter also weighs the student's grade record, faculty and other recommendations, and outside activities.

Pressed to describe their evaluation of specific departmental programs or MIT's own educational policies, most recruiters were unable to go into details. MIT's record of achievement, they noted, is well known, and insures that the students they meet will have both a certain degree of technical competence and a useful grounding in the fundamentals of their discipline. The larger corporations seemed to have a better feel for exactly what the current campus developments are.

The search for people who combined a facility for working with people with technical expertise has been noted by Placement Office director Robert Weatherall: "when Proctor and Gamble, for instance, come looking for engineers, they don't need people of outstanding ability with the current state-of-the art." A recruiter from one large firm explained that his outfit was big enough to include a small number of brilliant specialists, making it unnecessary for every engineer they hired to duplicate this ability. Finally, corporations recognize the possibility of hiring consulting firms or university faculty on an occasional basis to supple-

ment the technical knowledge their own staff provides.

The ability to work with people, of course, is a subjective skill, and the recruiters admitted that there exists no ready yardstick. Equally subjective is the exact weight they give this factor when deciding on an overall estimation of a candidate's worth. But there can be no doubt that industry is placing a substantial premium on this ability to get along. One recruiter confided as a parting thought, "the most important thing I look for is whether a guy can communicate."

Opinions on the value of grades were much more diverse. A recruiter from a large aircraft company considers them particularly important "they tell you exactly what a man got out of this place, exactly what he learned." On the other hand, the placement representative from another large aircraft firm revealed that not only was there no correlation between academic

success (measured by grades) and subsequent industry success, but that the school from which an engineer came was also not quite as crucial to success in the company as might be expected.

Yet both personnel men were in agreement in commenting that grades were one of the few indicators they had to go on. Some of the larger corporations do have extensive contacts with the faculty of departments close to their particular interests, and these relationships provide another evaluation of student performance.

Soliciting comments on the value of departmental and Institute programs revealed the greatest breadth of opinion. One recruiter could speak of the excellence developed at MIT over the past few years in composite materials; "the entire industry looks here for the best people." A production supervisor from another company explained that his company still included MIT.

(Please turn to page 2)

## Interdisciplinary plan wins faculty approval

By Lee Giguere

The establishment of an interdisciplinary degree program in the School of Science, and a presidential committee "on privacy," were voted at Wednesday's faculty meeting.

Approximately seventy-five of MIT's faculty heard reports from President Jerome Wiesner and newly-appointed Dean William L. Porter of the School of Architecture and Planning.

The new degree program, to be supervised by a faculty committee composed of members from each department in the School, would replace Course XII-B. In essence, the motion grants to this committee the "powers and responsibilities" of a department "pertaining to curriculum proposals... the registration of degree candidates, the assignment of faculty counselors, and certification of students upon completion of requirements." The proposal which accompanies the motion (although not specifically a part of it) stipulates that the new

program will, in large measure, be a replica of XII-B.

The faculty also approved a statement by the Committee on Educational Policy endorsing the report of the Ad Hoc Committee on Privacy, which specifically called for the establishment of a "small standing committee... to gather information and develop experience about privacy matters." In addition, the statement prescribed the designation of "a specific member of the administration" to oversee "Institute operations with respect to the protection of individual privacy, and for enforcing pertinent rules and regulations."

Both motions passed without opposition.

Wiesner opened his remarks with a brief comment about last Friday's bombing at the Hermann building. He admitted that there was very little he could say "that wasn't already in the papers," with the exception of the *Record-American*. The "extensive damage," Wiesner believed, is "covered by insurance." It's "fortunate there was no one hurt," he noted, adding that it was "an amateurish job."

Over the summer, Wiesner reported, federal Health, Education, and Welfare officials reviewed MIT's practices in "minority hiring." He expected that the department would "approve of our goals, but not our dispatch in moving towards them."

Wiesner then expressed his hope that "this can be a year in which we can take a long-range view of the Institute." In particular, he explained that the administration is "deeply engaged in an attempt to make longer range fiscal plans." He hoped to find a "range of alternatives," so MIT can make plans for the next several years. Further, he said that MIT was looking for "new support," and was trying to improve the efficiency of its programs and to exploit "underutilized resources."

(Please turn to page 6)

## Students initiate recycling

By Storm Kauffman

Save all your tin cans and newspapers: recycling is coming to MIT, albeit only for a trial period.

In what will largely be a student-run drive, APO and the Ecological Action Committee (EAC) will be in charge of collection of cans and newspapers around the campus. In an attempt to judge the possible volume of recyclable waste, the Institute, through Donald Whiston, Associate Director of Physical Plant, has agreed to a three week trial period, to be run by student volunteers, which will begin at month's end.

Students in charge of the operation include Fred Gross of EAC, Dick Fletcher of APO, Avi Ornstein of APO and EAC, and Bob Dwyer of APO. Each dormitory will have a monitor who

will see to the placement of hampers for newspapers and cans. Such collection bins will also be placed at several strategic locations in the main buildings — newspapers in the Building 7 Lobby and cans at the junctures of the main corridor with Buildings 16 and 26.

Only newspapers are acceptable — magazine and other slick papers cannot be processed. However, all sorts of cans are being collected, not just aluminum but also steel and tin cans such as food comes in. Cans should be clean if they contained food, soda cans are okay as is, and labels should be removed. It would be appreciated if the cans were also mashed to some degree.

When a bin is full it will be taken to the south end of building 20 to be stored until there is

sufficient quantity to make pickup worthwhile. The difficulty in minimizing involvement of institute maintenance personnel will hopefully be resolved by having students move the bins to such a central location. The newspapers will be taken by the Salvation Army, as done presently at Eastgate, but the Institute will have to hire a truck to take the cans to American or Continental Can Companies.

If the volume during this trial should prove sufficient, recycling will probably be made a permanent policy. In the spring the Mash Trash Organization's center outside Boston should be operating and will be willing to pick up sizeable quantities. Although the Institute will make no money from this recycling operation, it will indirectly save by having less waste.



Phi Kappa Sigma will be sponsoring its bi-annual open-bid, beer party, Skuffle, on Saturday night, October 30 and it's free. The only restrictions are that you are to be a member of the MIT (Wellesley) community, and that couples only may attend.

Last year, to advertise the party, House members carried a coffin (with a "live corpse") down the main corridor to building ten.

Everyone must enter the party through a 15

foot high skull, and then to get to the dance floor (music by Bacchus), will have to crawl through the sound effects, lighting effects and physical constraints, affectionately called the "Tunnel of Horrors."

Two years ago, 400 people came, and 17 kegs of beer were consumed. It's the last open bid party of its kind.

*Photo by Milan Merha*

## MIT begins IAP planning

By Walter Middlebrook

Preparations are now underway for the second Independent Activities Period (IAP) to be observed at MIT, announces Mr. Joel Orlen, Assistant to the Provost and Chairman of the IAP Planning and Coordinating Committee. With a small fund of money available and a lot of enthusiastic MIT people to work with, Mr. Orlen feels that this year's IAP could be as much a success as last year's.

According to Orlen, his office, as well as the offices of individual department coordinators, is open to suggestions from students as to what type of activities they'd like to see held. From these suggestions the IAP Planning and Coordinating Committee can plan the best co-operative use of available resources and provide channels of information to all students and faculty. He asks that plans for the IAP be submitted as soon as possible and be well enough defined so that each person can choose among the greatest number of available opportunities.

Although the IAP is a new idea to MIT, it is continually expanding. With the uncertainty of last year removed, and because of the apparent success of the program initiated last year, Mr. Orlen feels the climate of preparation this year should be eased more, now that everyone has some idea as to what is going on.

In addition to this better climate, Mr. Orlen points out that more money has been appropriated for the IAP this year; the amount was increased from \$2,000 to \$10,000 from last

year. It seems that the increase could have been caused by the apparent success of last year's program.

The problem remaining now is that of distributing the money between the different activities. As of this week, nothing specific has been determined as the guiding factor, but Mr. Orlen has contacted each department coordinator to see how they feel about it. Whatever is decided, he thinks, can better benefit all if the fund requests come in early.

Information about this year's IAP may be obtained from the IAP Guide, which will list all planned activities. The first copies of this Guide will be

distributed to all students and faculty on November 15. On or about December 15 a more complete version will be distributed. From that date on, additions will be added to the Guide as they are received.

The major difference between this and last year's program is that there won't be as many notebook Guides. Last year almost 200 notebooks were distributed throughout the community. This year approximately 100 notebooks will be used for containing the IAP information. These notebooks will probably be kept, one in each dorm or fraternity and at other often used locations on campus.

## Recruiters emphasize non-technical abilities

(Continued from page 1) among the dozen schools it recruits (the list a few years ago included some 40 or 50 schools) because it "could count on MIT graduates (he was speaking of electrical engineering) to be especially aware of and competent with the current state-of-the-art, stuff that was in some cases developed in industry only within the past two or three years."

But the smaller firms tend to rely on MIT's record and the performance of the Institute's graduates. Some of them do not even have the staff to send a personnel officer, and may send one of their practicing engineers

instead. These men may have no detailed knowledge at all of what MIT offers its students or expects of them, and can only judge how well the student would fit into their operation. (It is these men, incidentally, who may have to place the greatest reliance on grades.)

## Journalist deprecates Nixon administration

By Norman Sandler

In a speech delivered Wednesday at Boston University's Law School Auditorium, Norman Isaacs delivered a warning about the situation of the nation's press due to pressure applied by the Nixon administration and a general mistrust by the American public.

Isaacs, former president of the American Society of Newspaper Editors, and a noted journalist, told listeners that the "incessant hammering away at the press by the government... may eventually place the First Amendment protection of free expression on the block." He noted that most individuals respect the principle of freedom of the press until their own interests "come under scrutiny." This is the situation of the federal government, which, compared to others, "has more weaponry to use."

During his talk, Isaacs singled out individuals such as Vice-President Agnew and White House Press Secretary Ronald Ziegler and said that they have a right to say what they please about press coverage. However, in the opinion of Isaacs, "the facts... tell a story of what amounts to a persistent hate campaign against the press - a campaign designed to destroy its credibility." Concerning Agnew's attacks on the press, Isaacs said, "I consider it perfectly legitimate to quarrel with the press - totally illegitimate to strangle it."

Concerning the actual state of the press, Isaacs was optimistic about the extent to which the press is beginning to serve the public interest, although it is being hampered by the government. Examples he cited of today's far-reaching news coverage include the Attica prison tragedy, where "newsmen were lied to by officials."

Another example cited of the far-reaching effects of the news coverage credited to the press and the availability of information is the "Pentagon Papers."

Of the coverage given the secret documents, Isaacs stated that he felt "Daniel Ellsberg

served the nation honorably in revealing information that every citizen had the right to know - and that the *New York Times*, and other papers that followed *The Times'* lead, acted out of similar high public interest."

He went on to explain that the system of classification of secret documents had gone to "ridiculous lengths" and that this type of government censorship "has led to a double credibility gap - and both government and press are being held in contempt by growing numbers of citizens."

Isaacs then expressed his hope that journalism and freedom of the press will endure after a series of warning symptoms are cleared up. Some of the "symptoms" he mentioned were "government secrecy... pressure and abuse... monopoly without responsibility... and self-censorship resulting in selective distortion and warped pictures of events and issues..."

In closing his address, Isaacs noted that it is not only the freedom of the press which is now at stake, because "the freedom of the press remains an index of the freedom of the people... you cannot have one without the other."

In a press conference immediately preceding his address, responding to a question concerning the reporting of the type employed by the *Boston Record-American* last Friday following the bombing of the Hermann Building (see *The Tech*, October 19), Mr. Isaacs told this reporter that in his opinion, "the banner headline is on the way out."

### Relax and Divert

## CAMPUS CUE

590 Commonwealth Ave.  
(Opposite B. U. Towers)

## Pocket Billiards

"Great for a Date"

## DINO'S PIZZA AND SUB SERVICE

FAST DELIVERY

REASONABLE PRICES

CALL 266-6381

6 PM-12 Midnight

MASS. AVE. IN BOSTON NEAR BEACON ST.

### TECHNOLOGY AND CULTURE SEMINAR

## The Juanist Way of Knowledge

Carl Oglesby (MIT Humanities Department)

Moderator: Merton J. Kahne (Psychiatrist in Chief, MIT)

Respondents:

Christopher Schaefer (Political Science, MIT)  
Everett Mendelsohn (Harvard University)

Tuesday, October 26, 1971  
5:15 pm, Lecture Hall, 9-150

## CHINA CINEMA

Featuring Chinese Films (With English Subtitles)

Mon - Fri

2:30, 4:30, 6:30, 8:30, 10:30

Sat.

12:30, 2:30, 4:30, 6:30, 8:30, 10:30

Sun.

1:00, 2:45, 4:30, 6:30, 8:30, 10:30

EXCLUSIVE SHAW BROTHERS PRODUCTION  
STARTING WHOSE BABY IN THE CLASSROOM  
TODAY:

NEW PICTURE EVERY FRIDAY!!

Telephone: 423-7415 84 Beach Street CHINATOWN

# Tijuana Smalls create stink

By Bruce Schwartz

A corporate display promoting little cigars aroused the ire of anti-smokers at MIT this week, resulting in the offending booth's removal from the Building 10 Lobby to the more commercial precincts of the Student Center's ground floor.

The product was "Tijuana Smalls," General Cigar Corporation's entry in the little cigar market that is attempting to capture the TV advertising time vacated when cigarettes were banned from the airwaves by

an FCC ruling last year.

The anti-tobacco protestors included several ex-smokers, at least one person trying to kick the habit, and a professor of psychology. Several people also protested the presence of a commercial display in Building 10.

The General Cigar promotion began Monday. It featured the distribution of free sample packages containing five Tijuana Smalls each, which could be obtained in exchange for an empty cigarette package. Hundreds of the samples were distributed

buted in this fashion. The booth also featured a viewscreen showing three of General Cigar's television commercials on an endless film loop.

General Cigar has been conducting similar promotions on several area campuses and at colleges nationwide. As elsewhere, Richard Klein, General Cigar's representative, hired students to man the booth at \$2.50 per hour.

Not long after the display was erected at 9 am Monday, Dean for Student Affairs J. Daniel Nyhart began receiving telephone calls protesting it.

The Building 10 booths are under the jurisdiction of the Undergraduate Association. Requests for booths are routinely handled by Evelyn Reiser, the UA's secretary for the last two years. She had granted permission for the display to Klein the previous week, reasoning that the free cigars would be welcomed by many students, as would the opportunity to earn \$2.50 per hour manning the booth.

According to Nyhart, Ms. Reiser was in error when she granted permission. The Institute has a policy against commercial displays with a primarily profit-making motive; however, its status is somewhat vague and ill-defined, and few copies of the rule exist.

Nyhart, in response to the protests, decided that the display would have to be removed from Building 10 after Monday. Ms. Reiser, concerned over the commitments that had been made to the student helpers and the cigar company, suggested



that the Student Center be used as an alternate location. This

required the consent of the Student Center Committee, which Ms. Reiser obtained, and on Tuesday, the Tijuana Smalls display was set up near the Coop Lobby Shop.

Complaints continued to arrive, however. One distraught ex-smoker was passed around among Nyhart, Ms. Reiser, Dean Jon Hartshorne, and SCC chairman Linda Tufts. The woman's pleas that the display be barred on Wednesday were considered impractical, but she — and several other people — were emphatically reassured by Dean Nyhart that no similar displays would be permitted on campus after Wednesday.

Though somewhat shaken by the onslaught of anti-tobacco and anti-commercialism sentiment, Nyhart remarked philosophically that the affair cer-

tainly illustrated how effectively the message that smoking is harmful had been disseminated.

A few more people complained on Wednesday, and were apprised that the cigar promotion would be gone at 5 pm, never to return. By 4:30, only a table littered with empty cigarette packets marked the display's passing.

In the Lobby Shop, Tijuana Smalls could still be had for about three cents apiece. Over two dozen brands of cigarettes were also available. A large poster on the glass wall of the cubicle advertised, "Winchester is Here."

The cigars, incidentally, were wretched, with a bitter bite that made the mouth water, not from delight but from the necessity to cleanse itself.

## Pregnant? Need Help?

We will help any woman regardless of race, religion, age or financial status. We do not discriminate but merely help women obtain qualified doctors for abortions if this is what they desire. Please do not delay, an early abortion is more simple and less costly and can be performed on an outpatient basis.

Call:

215 878-5800  
Woman's Medical Assistance

8 AM - 10 PM - 7 DAYS  
A NONPROFIT CORPORATION

## Termapers Unlimited

295 HUNTINGTON AVE.

BOSTON, MASS. 02215

(617) 267-3000

WE GIVE RESULTS.

## GREEK FOOD AT ITS BEST

### The Parthenon Restaurant

New authentic Greek restaurant.  
Modest prices, superb European wines.  
variety of liquors. Open 11 a.m. - 11 p.m. Daily  
924 Mass. Ave. in Cambridge Phone 491-9592

## ORSON WELLES CINEMA 2

Fri., Sat. Oct. 22, 23: TWO WOMEN at 4pm only; 8½ 5:50, 9:40; Mastroianni, Claudia Cardinale SEDUCED AND ABANDONED 8:10 by Pietro Germi.

Sun., Mon., Tues. Oct. 24, 25, 26: THE CONJUGAL BED at 4pm only; I VITELLONI 5:30, 10 (The Young and the Passionate); BOCCACCIO 70 7:15 with Sophia Loren.

Weds. Oct. 27 - Tues. Nov. 2: SATYRICON 4, 8:30 by Fellini; TOBY DAMMIT (Never Bet The Devil Your Head) 6:10, 10:40; SERAFINO 6:55, 11:25 by Pietro Germi.

Through Tues. Oct. 26: JULIET OF THE SPIRITS by Fellini, with Giulietta Masina, Sandra Milo 4, 8:35; THE RED DESERT by Antonioni, with Monica Vitti, Richard Harris 6:30, 11:05-exc. Fri., Sat.

UNDERGROUND FILM ORGANIZATION presents a visual extravaganza with films by JORDAN BELSON, THE WHITNEYS, STAN VANDERBEEK, RICHARD LESTER, ROMAN POLANSKI, FRED MOGUBGUB, Friday/Saturday at 11:45pm; Tickets \$1.50.

TECH READERS - Bring This Ad and get 25 cents OFF.

1001 MASS. AVE. CAMBRIDGE - 868-3600 TICKETS \$2  
DISCOUNT TICKET BOOKS 7 tickets - \$10 20 tickets - \$20

SEATS! AT BOX OFFICE NOW! OR BY PHONE

### The Trial of the Catonsville 9

by DANIEL BERRIGAN SJ.

TUESDAY thru FRIDAY EVGS. at 7:30  
SATURDAY EVGS. at 7:00 and 10:00  
SUNDAYS at 3:00 and 7:00  
PRICES: TUES. thru SUN. \$7. 6.5  
FRI. and SAT. \$8. 7. 6.

THE NEW THEATRE  
12 Holyoke Street, Cambridge  
PHONE: 661-1610





little nervous with students, but can be very friendly. His lectures cover the material quite well, and he often injects bits of humor, but in a monotone. He grades very fairly — one gets what one deserves.

Prof. WATSON is one of the best teachers MIT history has to offer. He is a fascinating lecturer who knows his material cold. His approach to class is to lecture for the first portion and then have the students fire questions at him. He can become a devil's advocate for practically any historical figure related to his course. He is a dedicated teacher who "goes out of his way to help students, not only on academic matters, but personal problems as well."

#### Recommended

Prof. BELL is one of the newer acquisitions of the history section and his inexperience shows up in class. His lectures are nothing to rave about, but he gives students the opportunity to lead the class in whatever direction they desire. The classes thus seem to be disorganized. He is friendly and keeps his classes in a relaxed atmosphere. He just needs a little more time, like a bottle of Chateau Lafite, 1970.

Prof. BLUMIN treats his students as colleagues rather than pupils. Even though he never prepares a lesson, he knows enough about the material to be able to deliver a good lecture or hold an interesting discussion (but not without going into digressions). The course is in a constant state of flux, which is the manifestation of the thought he puts into the syllabus.

Prof. BRYANT is a friendly guy who conducts his class in a unique way. He doesn't lecture too interestingly, but prefers the students to take over the class with frequent reports and irrelevant discussion. He also requests students to write a journal of their thoughts on the topics covered in the course. The smaller the class, the better it is because his seminar style of teaching works best with a few interested students.

Prof. HARTLEY is an average instructor who expects that what he assigns be done promptly. The material he knows, he knows well, but there are gaps. However he discusses and lectures well, and is "lively and helpful." He is constantly putting forward his own

philosophy, but at least informs the student of arguments which would oppose him.

Prof. KALEDIN is an unfortunately average professor because he is a very human person, but gives dull lectures. He gives his courses a free format which provokes student discussion, but the student becomes drowsy when he uses his monotonic voice. The thoroughness of his knowledge is complemented by the rationality of his approach to any topic he covers. Students appreciate his thoughtfulness, but do not find him inspiring.

Prof. WHITE is a novice, and his lectures show it. He is amiable, but not authoritative. He organizes his material well, but needs some time to learn how to come across better in class.

#### Unrecommended

Prof. FOGELSON has a distinct method of putting everyone to sleep with minimal effort. He is obnoxiously haughty, and although he knows his material, he does not convey his knowledge to those students who are awake. They just know that he knows, not what he knows. His grading is based on only one paper, and he prevents discussion in class. Keep away.

Mr. KOEING is a terrible lecturer, very boring, and often incomprehensible. Anyone caught in one of his 21.05 sections had better get out fast. He skips about  $\frac{1}{4}$  of his classes, and those he comes to, the student might as well skip. Bad news.

Prof. MACMASTER is from the old school who is not quite certain when the Twentieth Century will begin. He keeps his distance from students and gives "approximately two good lectures per term." He has been inflexible in his assignments and hard in grading. Sampled students have characterized him as "confusing, chaotic, authoritarian, and autocratic." Avoid at all costs, even though the subjects he teach appear to be relevant.

#### Insufficient Information

The following professors have had too few evaluations to be fairly assessed. That might mean something.

Prof. Cohen  
Prof. Rotberg  
Prof. Wurgafit

#### LEGAL AND SAFE

\$129

ACHIEVE ALTERED STATES OF CONSCIOUSNESS WITHOUT DRUGS OR A LIFETIME OF DISCIPLINE

ALPHA/THETA CYBORG is a miniaturized electro-encephalograph which detects certain brain waves you produce called Alpha and Theta.

"The Alpha State is described by meditative philosophers as euphoric, profound and highly desirable; Theta patterns are related to creativity and imagery."

ALPHA/THETA CYBORG helps to identify and control these states of consciousness by feeding back sounds and flashes of light whenever Alpha or Theta patterns are occurring.

For more information or Personal Demonstration  
BIO-FEEDBACK of CAMBRIDGE

411 Norfolk Street

Cambridge, Mass. 02139  
354-0851 (24 Hours)

## SEX IS YOUR BUSINESS birth control IS OURS

We believe your private life should be your own. And when it comes to buying contraceptives, the hassle in a crowded drugstore isn't exactly private. So we've made it possible for you to get nonprescription contraceptives through the mail.

We specialize in men's contraceptives and we offer two of the most exciting ones available anywhere—Fetherlite and NuForm condoms. They're better than anything you can get in a drugstore. Imported from Britain, they're lighter, thinner, more exciting to use; and precision manufacturing and testing techniques make them as reliable as any condom anywhere. Made by LRI, world's largest manufacturer of men's contraceptives, Fetherlite (the best) and NuForm not only conform to exacting USFDA specifications, but are made to British Government Standard 3704 as well. We think you'll like them.

Our illustrated brochure tells you all about Fetherlite and NuForm. And about seven other American brands which we have carefully selected from the more than one hundred kinds available today. And we explain the differences.

We also have nonprescription foam for women and a wide variety of books and pamphlets on birth control, sex, population, and ecology.

Want more information? It's free. Just send us your name and address. Better still, for one dollar we'll send you all the information plus two Fetherlite samples and one NuForm. For four dollars you'll get the brochure plus three each of five different condom brands (including both imports). All correspondence and merchandise is shipped in a plain cover to protect your privacy, and we guarantee your money back if you're not satisfied with our products. Why wait?

POPULATION PLANNING ASSOC.  
Box 2556-S, Chapel Hill, N.C. 27514

Gentlemen: Please send me \_\_\_\_\_ Your free brochure and price list at no obligation. \_\_\_\_\_ Three samples for \$1. \_\_\_\_\_ Deluxe sampler package for \$4.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

S 117

# Bicycles unite!

Over the past two years, we have printed several articles in *The Tech* concerning the problem of bicycle theft. In the process of collecting information for these articles, we often heard ideas that various administration divisions had for dealing with the problem, but nothing ever came of them. We counseled individual cyclists to take what precautions they could, and waited.

Despite the loss of about ten thousand dollars worth of bicycles last year, bicycle use in the MIT Community has continued to grow, a heartening development in terms of lessened pollution, traffic, and parking space competition. Judging from the glut on some of the Institute's bicycle racks, MIT is having a bicycle population explosion. We now have not only a bicycle theft problem, but a bicycle parking problem.

Noting these issues and the lack of action on the part of the administration, we were all set to fire off a hard-hitting editorial when we learned that the Planning Office had developed a proposal for upgrading bicycle parking and security across the campus, and was trying to scrape up money for the improvements.

This was news to us. Typically, the Planning Office had gotten pretty far along in its thinking without any significant input from users. Feedback in this case has so far come only from the Institute's parking committee (chaired by Prof. August Hesselschwerdt), whose customary concern is with automobiles and whose makeup, while representative of faculty, students and staff, contains no one specifically interested in bicycles. ("Representation" is also dubious since Dean Robert Holden is the spokesman for student interests.) The committee is probably perfectly adequate for handling parking permits and the like, but as a feedback channel for cyclists its value is doubtful.

Institute Planning Officer Robert Simha explained the proposals his office had drafted for the parking committee to one of us yesterday. Tentatively, they provide for 125 or more new parking "stalls," including some in new locations as well as additional racks in existing

ones. Several of these will be located in the basements of various buildings, and wherever possible, racks will be placed in locations protected from the elements and direct observation from main streets such as Mass. Ave. The latter is in line with Campus Patrol's finding that thieves tend to avoid inner areas of the campus where they might be trapped. The Planning Office also proposes installing bike "runners" (narrow ramps) on stairways to make basement parking areas more accessible.

The proposals are welcome, as is Simha's declaration that the PO would like users to submit suggestions and ideas. We are worried about a few things, however.

First, no funds have been located yet. Simha expects the current set of improvements to cost perhaps \$2000; hopefully, he said, this can be scraped out of Physical Plant.

Second, the proposals are not as complete and far-seeing as they might be. A cursory examination brought several criticisms and suggestions; the cycling community could no doubt suggest many more, such as the leveling of curbs at various locations.

Finally, user participation in the planning process cannot be neglected. The Planning Office's own development of MacGregor and Burton set the precedents. Such participation ought to be the province of the Committee on Student Environment, but like many other committees this one has been rather moribund lately.

However, an ad hoc committee will probably be formed as a result of our inquiries. UAVP John Krzywicki has volunteered to organize it, and Dean Nyhart has indicated his willingness to push their recommendations. We might as well call it the Ad-hoc Bicycle Committee (ABC). Anyone interested in working on it (the work should be short-term) is invited to contact John at W20-481 or x2696 after Monday. Suggestions and questions may also be sent there via Institute mail.

And in the meantime, be careful where you chain your bike.

— BSS

# Faculty okays interdisciplinary degree

(Continued from page 1)

In experimental education, Wiesner said he saw "great excitement." At a different time in his address, he suggested that MIT "look at the assumptions we ought to make about student trends," this, he emphasized, is the "key question." He also said that a "Council for the Arts" had been formed at MIT, and that Professor of Humanities Roy Lamson was appointed "special assistant to the president for the arts."

Porter immediately preceded Wiesner with a report on his School. He pointed out that it was moving into a "much broader front" with increasing interest in "social and scientific intervention." Conceptions and concerns in the School, he emphasized, are shifting, with the change manifesting itself in the areas of education, professional roles, and the ways the School shapes its direction.

In education, Porter saw the need to teach "a wider range of

skills." The groupings within the school, he noted, are constantly changing, and frequently cross departmental boundaries. The evolution of a School Council and an education and research development group, he explained, is one of the ways in which the School's patterns of self-direction are changing.

Dean Robert Alberty of the School of Science introduced the motion to establish a special interdisciplinary program in his school. He traced the development of the XII-B option from 1968, when 16 students were enrolled, to the present academic year, noting the divergence of interest the participating students evinced.

During the questioning, following his presentation, Alberty explained that the program was meant to be one of small enrollment. He explained that a large enrollment would be taken as an

indication that the interdisciplinary program was impinging on the existing departments. While there is no explicit quota in the proposal, Alberty pointed out that the Interdisciplinary Science Committee, which is to review the programs of all candidates, could control the enrollment informally.

Preceding the presentation of the CEP's statement by Associate Professor of Metallurgy Roy Kaplow, Professor of Electrical Engineering Robert Fano summarized the work of his committee. The issue of privacy, he stated, involves balancing the need to know with the right to privacy. He explained that the committee felt that guidelines, not rigid regulations were what was needed, and wanted rules "to develop over time." Information about people, Fano asserted, "should be treated as dangerous information." He broached the issue of who

"owns" certain types of information, and re-iterated the committee's assertion that researchers in behavioral sciences must be kept aware of their responsibilities to their subjects.

Responding to questions, Fano warned that difficulties could arise in the interface with the outside world, "where MIT cannot always control the situation." He concluded with the remark that the committee "did not run into serious intentional violations of privacy," but observed a great deal of insensitivity to the issue.

## Social critic assaults health care programs

(Continued from page 1)

the label for laymen, and greater availability of syringes and similar hardware.

For an hour and a half Illich fielded questions, often drifting to other topics of discussion. When speaking of education, he compared it to alchemy-taking base elements, heating them up and making them rise into a higher plane. The law supports discrimination in favor of those who consume more schooling, yet, he said, the per capita book consumption for high school graduates in the US is lowest in the world and going down. He cited a case where the Supreme Court said an employer must prove education is job-related before using it as a criterion for hiring.

Illich said there is the same exclusive professionalism in law as in medicine. When asked how the mythology of the doctor might be challenged, he compared the situation now to the attitudes toward priests and edu-

cators 15 years ago. Illich looked forward to the opening of academic coffeeshops for learning where medical information would be freely disseminated in the future.

## classified advertising

Moats bridged, armed guards evaded, drawbridges destroyed, dragons slain, Rogers eluded with incredible facility. All inquiries cheerfully answered. Box A-100, *The Tech*.

"J" - You're neglecting me! Not only do I have more taste, compassion, talent, humanistic inclinations, and modesty than those other two, but you and I also have two things in common. Contact Box A-102, *The Tech*.

From \$109. Deluxe beach-front hotel. 12/23-29, 12/27-1/3. Open only to MIT-Wellesley. Call Uni-Travel Corp., 599-0187.

20%-50% OFF ON ALL STEREO EQUIPMENT, stereo components, compacts & TV's. All new in factory sealed cartons, 100% guaranteed. All major brands available. Call Mike anytime, 491-7793.

'66 VW BUS FOR SALE. Radio, good condition and repair. \$1,000 or best offer. Call Jerry P., 261-1759 or x3788.

**A professional  
ABORTION  
that is safe,  
legal &  
inexpensive**

can be set up on an outpatient basis by calling  
**The Problem Pregnancy Educational Service**  
**(215) 722-5360**

24 hours - 7 days  
for professional, confidential,  
and caring help.

# RECYCLE!

# The Urch.

**Watch for collection bins in Building 7**



**MIT-Red Cross**

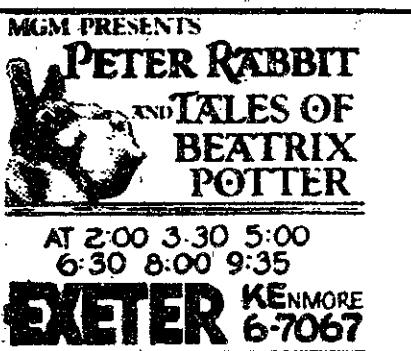
## Fall Blood Drive

**Sala de Puerto Rico**

**Nov. 8-12, 1971**

**FOR INFORMATION CALL X7911**

Pick up forms from your solicitor, the TCA office on the fourth floor of the Student Center, or from the booth in the lobby of Building 10.





"You were looking for me...?"

Photo by Mel Ade

**books:**

## Would you believe...

By Melanie Brigham  
*Would You Believe Love?*, Eliza McCormack. (Random House, \$5.95)

Eliza McCormack's newly-published book is written earnestly; unfortunately, this is the extent of the praise that can be lavished on it. It is, in fact, a banal, insensitive, vapid trashy novel fit for serialization in *Redbook*. It contributes nothing to the body of American litera-

ture but volume; in this respect, she is outdone by most telephone directories, and her characterizations are hardly better.

Even a brief description of the plot is embarrassingly philistine. A frigid, confused, and self-consciously liberal middle-aged woman is trapped in an empty marriage. Through a set of implausible circumstances, she gets involved with a warm, brilliant black boy who offers her everything her husband has denied her. In a Laurentian (at his worst) orgasm of spiritual communion, they "touch." But the relationship has to end, because he must go back South to fulfill his lifelong dream.

Sophie pulls her aching soul

together and throws herself into getting it on with her husband; her alienated daughter comes home; her 14-year old son, in his "pink blush of manhood," turns out to be not so inconceivable a monster after all, and we are left with a charming belief in happy endings and the Protestant Work Ethic.

Ms. McCormack has, with a staggering thoroughness, taken a theme that could have portrayed a degree of human nobility and turned it into a worthless story. She has redressed the typical duMaurier love story without altering the foundations, and congratulated herself on creating a book of contemporary impact.

Available at the Tech Coop.

## BRIDGE

By Daniel Reinhart

NORTH	♦ 6 4	EAST	♦ A 9 2
	♦ K Q 9 7 5		♦ 10 7 2
	♣ A K 8		♦ Q J 10 4
WEST	♦ 9 8 5		♦ 6 3
	♦ 7 6 5		♦ 6 5 3
	♦ 10 4 2		
	♣ Q J 9 4		
SOUTH	♦ A K J 3		
	♦ K 8 3		
	♦ A J 8		
	♦ 10 7 2		

North East South West  
1 diamond pass 1 spade pass  
2 diamond pass 3 no trump pass  
4 no trump pass 5 hearts pass  
5 no trump pass 6 hearts pass  
6 no trump pass pass pass

Today's hand is another interesting one from this past July's Fun City Regionals. Before discussing the play let me first say a word about the bidding.

Although his partnership reached the most accurate contract, North was guilty of a classic misuse of Blackwood in this auction. After checking for aces he bid five no trump, asking for kings. This bid only helped the defenders, because North would have bid six no trump no matter what his partner responded.

West led the two of diamonds, which was taken by the nine in dummy. Declarer counted eleven tricks off the top and saw two chances for creating a twelfth—a finesse and a squeeze. He therefore took the spade finesse immediately. If it lost he would have relied on the squeeze for his twelfth trick. Since, however, it won, he was able to use the squeeze to make an over-trick.

South cashed the top two spades, and followed by running the diamond tricks. The position then was:

♠ —	♦ A 9
♦ 7	♦ —
♦ —	♣ AK8
♣ QJ94	♦ —
	♦ Q
	♦ QJ 10 4
	♦ —
	♣ —
	♦ 3
	♦ K 8 3
	♦ —
	♣ 10

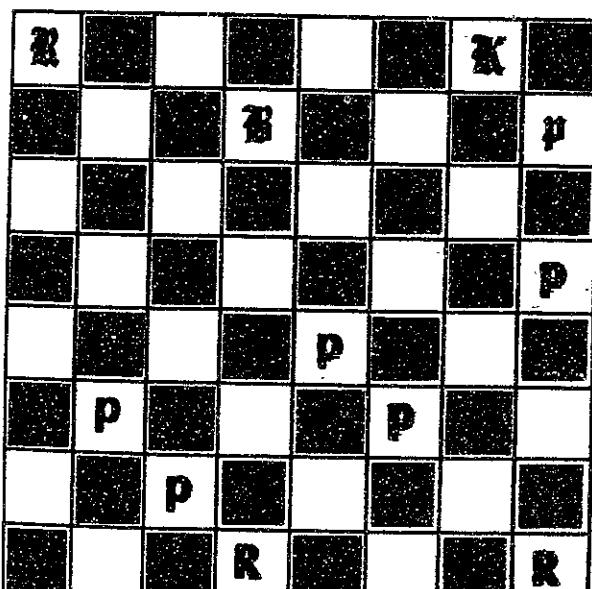
When the ace and king of clubs were cashed East was squeezed. He could afford to throw off one heart, but his next discard would unguard a suit.

An interesting aspect of this hand is that by switching the queen of hearts with the six of hearts we obtain a progressive double squeeze. By playing the hand exactly as described above we would obtain this position:

♠ —	♦ A 9
♦ K	♦ —
♣ AK8	♦ —
♦ —	♣ —
♦ Q 7 5	♦ Q
♦ —	♦ J 10 6 4
♣ QJ9	♦ —
	♦ 6
	♦ 3
	♦ K 8 3
	♦ —
	♣ 10 7

When the king of diamonds is led from dummy East and South can safely discard clubs, but West is squeezed. Best defense would be to unguard the hearts, but then the position is reduced to the first of the diagrammed situations, in which East is squeezed by the ace and king of clubs.

## CHESS



Sicilian Defense	Fischer	Larsen
1. P-K4	P-QB4	9. Q-K2 P-QR3
2. N-KB3	P-Q3	10. O-O-O Q-B2
3. P-Q4	PxP	11. P-N4 N-Q2
4. NxP	N-KB3	12. P-KR4? N-B4
5. N-QB3	N-B3	13. P-NS P-N4
6. B-QB4	P-K3	14. P-B3 B-Q2
7. B-N3	B-K2	15. Q-N2 P-N5
8. B-K3	O-O	16. QN-K2 NxN
		17. RPxN P-QR4
		18. P-N6 BPxP
		53. resigns

This game was taken from the 1970 Interzonal.  
(Position after 22. QxB. . .)

—by Walter Hill

## SPECTACULAR SAVINGS!

NAT. FAMOUS BRANDS OF APPAREL FOR GUYS & GALS

## ON SALE NOW!

BELLS-  
FLARES  
STRIPES-CHECKS  
VALUES TO  
\$12  
4 99 2 pairs  
\$9

PEA  
COATS  
WOOL - S-M-L-XL  
VALUES TO  
\$30  
16 99

AIRFORCE  
SNORKEL  
GENUINE WOLF TRIM  
VALUES TO  
\$75  
49 99

10% OFF!  
ON EVERYTHING  
WITH THIS AD

AIRFORCE SNORKELS - C.P.O.'s  
SLEEPING BAGS - SWEATERS  
SHIRTS - CAMPING SUPPLIES  
BOOTS - SUITS & SPORTS COATS

★ CAMBRIDGE ★  
**ARMY & NAVY**  
ADJACENT  
SEYMOUR  
CHEVROLET  
424 MASS. AVE.

**3 2 1**  
STUDENT RATE  
26 CENTRAL SQUARE  
XEROX

FOR INFORMATION PHONE 864-1816

FREE COLLATION  
LEGAL SIZE PAPER

OFFSET PRINTING  
AVAILABLE

8:30am-12m, MON-FRI



## SPE homecoming success

By Brad Billedeau

Intramural football can be fun. Witness the Sigma Phi Epsilon Homecoming Game played last Saturday on Briggs Field against Sigma Alpha Mu. (Yes, MIT does have a football homecoming, complete with cheerleaders and a band.)

The cheerleaders displayed a wide repertoire of cheers, including that old standard "e to the x dx." The show was stolen, however, by the Sig Ep Marching Kazoo Band. Drum-major Ken Knyfd '72 directed his marchers

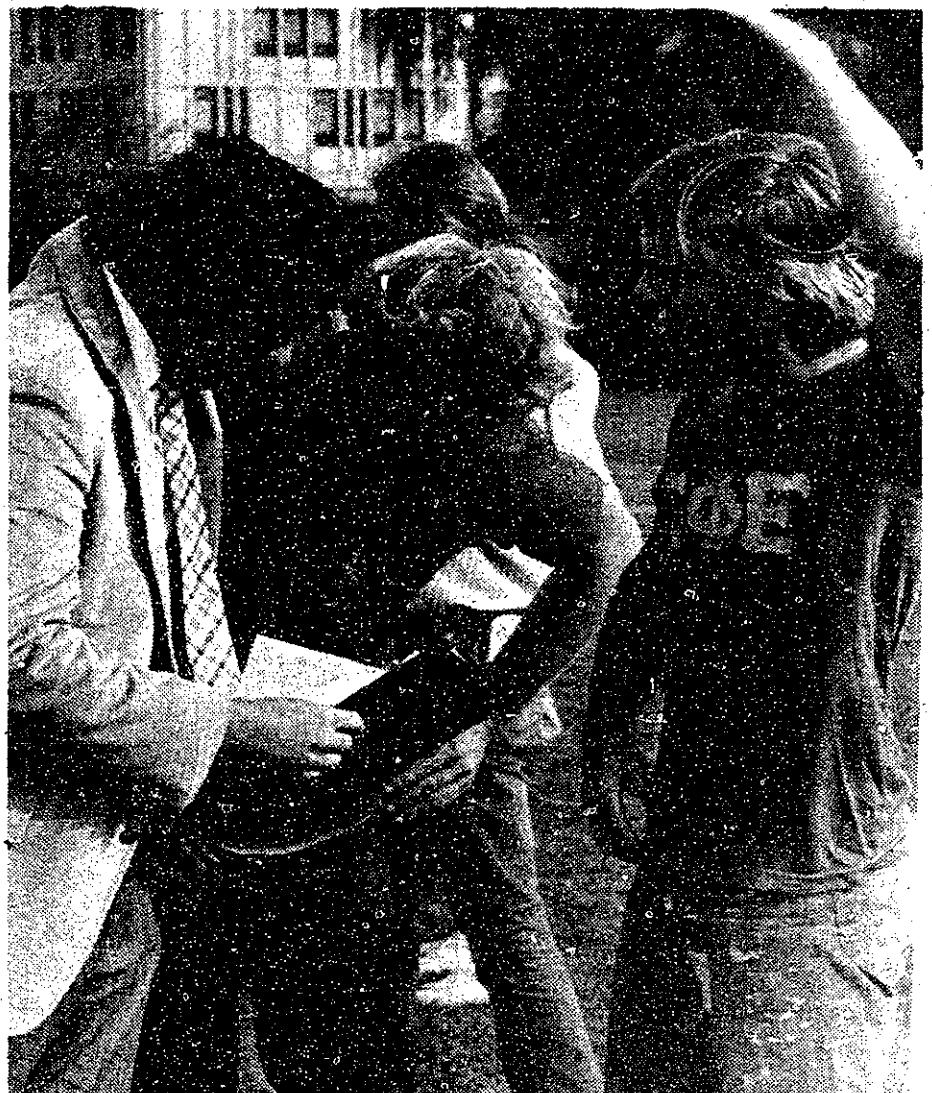
through a variety of formations with some interesting special effects including a carbon dioxide fire extinguisher used to accompany their version of "Steamboat." Highlight of the halftime entertainment was their fraternity trademark, "The Flying Sigma."

Inspired by the cheerleaders, their band and good fan support, Coach Lee Giguere '73 directed SPE to a smashing 29-0 victory over the hapless Sammies. Scott Owen Peck '73 was the star of the first half. On offense, he ran

the quarterback keeper around the left side for 28 yards and a TD. As a defensive back, he intercepted a SAM pass and returned it from midfield for another score. The Sig Ep defense also came through, forcing a safety.

In the second half, the SPE offense made use of their many ends and backs. Peck connected with Jeff Alexander '72 for a TD, making the score 22-0. Rick Chase '72 wrapped up the scoring with a 15 yard touchdown run after SPE got the ball deep in SAM territory when Ken Knyfd blocked a punt.

In all, the game was delightful. The play on the field did not detract from the fine quality of entertainment on the sidelines.



The SPE Marching Kazoo Band, top picture, performed at halftime during the Sig Ep Homecoming game against SAM. The home crowd was as delighted by the various machinations of the 15-piece band as by the one-sided 29-0 victory for SPE. Above, Coach Lee Giguere '73 confers with his players and plans strategy. Despite the score, the game was rough and tumble, as Giguere was heard to inquire, "Are we clipping more than they are?"

Photos by Brad Billedeau

## Kaufmann, Myers lead harriers over UNH

The MIT cross-country team ran away with their meet against New Hampshire, 22-37, in competition at Durham, N.H. last Saturday. The harriers rebounded from their 21-34 loss to Boston College and brought their record to 8-1. Thus, after the baseball team's 6-0-1 fall season record, the thinclads are MIT's second most successful team. If things keep up, this team could be the best Tech cross country squad since Coach Art Farnham's undefeated 1967 squad.

In what has become a familiar sight this season, John Kaufman

'73 and Bob Myers '72 led the race for most of the five mile course. Kaufmann finished first in 25:43 followed three seconds later by Myers. In the Engineers' Cup race against WPI and RPI, Myers had beaten Kaufmann by 50 seconds. New Hampshire's Shorey took third place in the meet Saturday.  
MIT (22): 1) Kaufmann, 25:43; 2) Myers, 25:46; 4) Blumer, 26:23; 7) Lewis, 26:45; 8) Borden, 26:50.  
N.H. (37): 3) Shorey, 25:54; 5) Smith, 26:37; 6) Joseph, 26:44; 11) Forbush, 27:14; 13) Doyle, 27:52.

But the *piece de resistance* is, teamed with Kevin Strull, William advanced through three matches and then crushed the same pair from Harvard to take the doubles title.

**Rugby**  
After a lack-lustre start for the fall season involving three losses, the MIT Rugby Club finally produced a win last Saturday against Portland RFC.

The game was marred by a large number of infringements resulting in scrums and penalties, the latter producing nine points for MIT, kicked by fly-half Roger Simmonds. Good coordination between scrum half Serge

## SPORTS

### Eskin sparks booters to win over Brandeis

By Nakir Minazian

On Wednesday, the varsity soccer team traveled to Brandeis and came away with a most decisive 8-0 victory. This, the booters' second shutout in a row, was led by co-captain Rick Eskin '72 who had three goals and one assist and was again highlighted by brilliant play on the part of the Tech defense.

Brandeis came into the game with a team noted for its talented forwards but weak defense. For most of the first half, the booters seemed to want to prove that they could stop the Brandeis offense and did not mount much of an offense themselves until at 18 minutes of the second period, forward Eskin rolled a direct kick through the penalty area; it was deflected by forward Mark Abkowitz '74 and put in by halfback John Kavanagh '72. This made the score only 1-0 at the half.

In the third quarter, Eskin opened up the scoring at 7:30 by taking the ball from almost midfield on a semi-breakaway right into the goal mouth where he beat the Brandeis goalie for the score. Just one minute later, he scored again, beating out the Brandeis goalie to a fine cross from left wing Gus Aboleda '74 for his second goal. For the rest of the third quarter, the Tech-

men pounded at the Brandeis defense but failed to penetrate. Finally at 7:52 of the fourth quarter, the deluge started. First it was Eskin again, setting up Mario Guerrero '72 in front for a goal, and then Guerrero setting up Cha Min Tang '74 at 13:30 for a goal.

Eskin completed his record tying three goal game (others were Kavazanjian against WPI this year and Bob Mehrabian in 1963 vs. Harvard) by taking a throw-in by Marty Bregman '72, carrying the ball to the goal, and shooting it over the drawn out Brandeis goalie, at 15:50. At 18:36, fullback Lew Jester '72 lobbed a shot over the opposing goalie which was put in by Aboleda, and with just 30 seconds left, Aboleda shot into a goalless goal, drawing a hand ball save, and co-captain Iain Glendinning '72 scored his first of the year with a perfect penalty shot.

Again, the standout factor in the game was the excellent Tech defense forcing goalie Tom Aden '72 to make only 6 saves on 22 shots. In the last quarter, the defense of Eric Barklis '74, Neil Dowling '74, and Ray Marotta '75, bolstered by the dominating play of Bernie Mwondo '72 at center-field, did not force Tech's other goalie, Aaron Tovish '72, to make a save.

## Crew defends Revere Cup

By Brad Billedeau

MIT will send a veritable fleet of crew shells out on the Charles Saturday in attempts to retain the Paul Revere Trophy, symbolic of overall team victory in the annual Head of the Charles Regatta. The Head is the largest regatta held on American waters, and this year over 1000 participants are expected.

Highlighting Tech's team en-

try will be the graduate crew, competing in the elite 8-oared event. Interestingly enough, Henry Baker '69 will not only row with the grad eight but will also race in the lightweight singles, putting in a total of six miles of pulling in one day.

The breakdown of entries by the varsity squads is as follows: two lightweight eights, two lightweight fours with coxswain, one

elite four with cox, two intermediate fours with cox and one pair-oared shell. Frosh crews will be in even greater numbers, with two lightweight eights (frosh rowing in the same event as the varsity!), two intermediate eights and two junior eights. Frosh heavies coach Don Saer is slated to go the distance in a single scull, and the women's crew he coaches will be rowing against men in the intermediate eight-oared category. This should be a memorable experience, as it surely marks the first time that an MIT coed crew will have rowed so far (3 miles) in competition with male crews.

The Head of the Charles is a race against time, with the crews starting at ten second intervals in front of the BU boathouse. The regatta begins at 12 noon, and crews from as far away as USC, Nebraska and Wisconsin will be competing.

## Jock Shorts

### Tennis

Despite a slight fever and head cold, William Young '74, MIT's number one tennis player, swept through the Brandeis Tournament to gain his second title there in as many years. Overwhelming all the competition with the big serve and volley, he lost only fifteen games in five matches.

His last two victories were over the number one and two Harvard freshmen. In the finals, William's big game destroyed Charles Krusen, who earlier in the year had beaten the Eastern Collegiate Athletic Conference second division singles champion.

But the *piece de resistance* is, teamed with Kevin Strull, William advanced through three matches and then crushed the same pair from Harvard to take the doubles title.

### Rugby

After a lack-lustre start for the fall season involving three losses, the MIT Rugby Club finally produced a win last Saturday against Portland RFC.

The game was marred by a large number of infringements resulting in scrums and penalties, the latter producing nine points for MIT, kicked by fly-half Roger Simmonds. Good coordination between scrum half Serge

Second class postage paid at Boston, Massachusetts. *The Tech* is published twice a week during the college year, except during college vacations, and once during the first week in August, by *The Tech*, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617 864-6900 extension 2731 or 1541. United States Mail subscription rates: \$5.00 for one year, \$9.00 for two years.

Friday, October 22, 1971

3:30 Harvard vs. Northeastern  
5:00 MIT vs. Rensselaer  
7:00 MIT vs. Northeastern  
8:30 Rensselaer vs. Harvard

Saturday  
12:30 MIT vs. Harvard  
2:00 Rensselaer vs. Northeastern

The game on Saturday between defending New England champion Harvard and runner-up MIT promises to be the deciding match in the tourney. All games will be played in Alumni Pool.